NITECORE®
The All-Round Flashlight Expert

Intellicharger i4 User Manual

The Intellicharge i4 is a universal, automatic smart-charger compatible with almost all types of rechargeable batteries thus eliminating the need to own several chargers. The i4 is able to automatically identify Li-ion, Ni-MH and Ni-Cd rechargeable batteries and apply an appropriate charging mode (Constant Charge Current (CC), Constant Charge Voltage (CV) and Trickle Charge). Each of the i4's four microcomputer-controlled charging slots is capable of monitoring and charging batteries independently. Additionally, yellow and blue power/charging status indicator lights could visibly indicate battery status and charging process. i4: The all-new highly advanced smart charger. It's as simple as insert, detect, and charge.

Features
· Capable of charging 4 batteries simultaneously
· Each of the four battery slots monitors and charges independently
· Compatible with and identifies Li-ion (26650, 22650, 18650, 17670, 18490, 17500, 18350, 16340(RCR123), 14500, 10440), Ni-MH and Ni-Cd (AA, AAA, AAAA, C) rechargeable batteries
· Optimized charging design for IMR batteries
· Features three charging modes (CC, CV and Trickle Charge)
· Automatically detects battery status and selects the appropriate voltage and charge mode
· 3 Color LED displays charging progress for each battery
· Automatically stops charging when complete
· Features over-charge prevention to protect batteries
· Features temperature monitoring to prevent overheating
· Made from durable ABS (fire retardant / flame resistant)
· Features reverse polarity protection
· Designed for optimal heat dissipation
· Certified by RoHS, CE, FCC, CEC and KC
· Insured worldwide by Ping An Insurance (Group) Company of China, Ltd.

Specifications
Input:　　　　AC 100-240V 50/60Hz 0.35A(MAX) or DC 12V 1A
Output voltage: 4.2V ±1% / 1.48V ±1%
Output current: 375mA × 4 / 750mA × 2
Dimensions:　5.51" × 3.74" × 1.42" (140mm × 95mm × 36mm)
Weight:　　　6.52oz (185g) (without batteries and power cord)
Compatible with:
Li-ion / IMR: 26650, 22650, 18650, 17670, 18490, 17500, 18350, 16340(RCR123), 14500, 10440
Ni-MH / Ni-Cd: AA, AAA, AAAA, C

Operating instructions
1. Plug one end of the power cord or car charger adapter to the charger's power input. Plug the other end of the cord into a wall outlet or the cigarette lighter receptacle in your vehicle. The blue power light and all yellow power indicators will illuminate as the charger runs a quick self-test. The yellow power indicators will turn off automatically once testing has completed.
2. The i4 features four charging slots, with each slot able to charge batteries independently. Rechargeable batteries of differing chemistries and voltages may be charged simultaneously using 1, 2, 3 or all 4 of the charging slots.
   Note: The i4 is capable of charging 3.7v Li-ion rechargeable cells OR 1.2V, Ni-MH/Ni-Cd rechargeable batteries only. See above for description of battery sizes.
3. When inserting a battery ensure the positive and negative ends correspond with the positive (+) and negative (-) symbols on the charger. Incorrectly inserting the batteries will result in the reverse polarity circuit being activated causing the charge status lights to blink rapidly. Should this occur reposition the batteries to the correct polarity.
4. When charging batteries, three yellow power indicators in each slot will display battery status and blink. When charging is complete the three yellow power indicators will illuminate steadily without blinking.
   Note: When four batteries are charged at the same time, each charging slot will receive a maximum output current of 375mA. When one or two batteries are charged, each slot will receive a maximum output current of 750mA.

Battery Activation
The i4 is capable of activating depleted Li-ion batteries with protective circuit. After battery installation, i4 will test and activate the battery before charging. When a battery is detected as damaged, the three yellow indicator LEDs over the slot will flicker, and i4 terminates its charging. Such damaged battery cannot be activated by i4.

NOTE: Nitecore does not recommend charging 0V (depleted) unprotected Li-ion batteries with i4 and doing so can result in battery fire or explosion.

Overtime Prevention
The i4 is equipped with an advanced 'overtime' safety function. The i4 will individually monitor the elapsed charging time for each battery slot and if a particular slot exceeds 20 hours, the i4 will automatically power off the slot and three yellow power indicators will stop blinking and illuminate steadily to indicate completion of the charging process. This feature reduces the risk caused by batteries of lesser quality.

Precautions
1. Nitecore strongly recommends that AAA, AAAA and 10440 Li-ion batteries are not charged alone in the i4 charger. When using only one charging slot, the i4's current automatically sets to 750mA, which exceeds the maximum current range of most AAA, AAAA and 10440 Li-ion batteries. Failing to follow to this recommendation can result in excess heat, battery damage or even explosion,causing property damage and/or personal injury.
2. Due to the aforementioned reasons, it is recommended that a minimum of two (2) AAA or 10440 rechargeable batteries are placed into the charging slots together. When charging two batteries in the i4, be sure to always place them in either slot 1 and 3 or slot 2 and 4.
3. When charging different battery types simultaneously (for example, li-ion 26650 and AAA), always ensure solid contact is made between both sides of the battery and the charging slot's metal contact points.
4. The i4 is restricted to charging Li-ion, IMR, Ni-MH and Ni-Cd rechargeable batteries only. Never use the i4 for other types of batteries as this could result in battery explosion, cracking or leaking, causing property damage and/or personal injury.
5. The i4 should only be used indoors or inside a motor vehicle. Do not expose it to water, high humidity, low or high ambient temperatures.
6. Do not disassemble or modify the charger.
7. Children under the age of 18 should be supervised by an adult when using the i4.
8. The i4's safe operating temperature is between 0-40℃.
9. Do not use or store the charger near open flames, direct sunlight, heating devices or other high-temperature environments.

Warranty Service
All NITECORE® products enjoy a comprehensive after sale warranty service. A malfunctioning NITECORE® i4 charger may be exchanged for a replacement by a local authorized distributor/dealer within the first 15 days of receipt by the end user. After 15 days and up to 12 months, the i4 may be sent to an authorized distributor/dealer for repair. Beyond 12 months, the warranty covers labor costs and maintenance with the exclusion of accessories or replacement parts.
The warranty is nullified in any of the following situations:
1. The product(s) is/are broken down, reconstructed and/or modified under unauthorized conditions.
2. The product(s) is/are damaged through improper use.
3. The product(s) is/are damaged by leakage of batteries.
For further details of Nitecore's warranty service, please contact a regional distributor/dealer or send an email to service@nitecore.com

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Validation code and QR code on package can be verified on Nitecore website.

⚠ **WARNING: THE i4 IS RESTRICTED TO CHARGING Li-ion, IMR, Ni-MH AND Ni-Cd RECHARGEABLE BATTERIES ONLY. NEVER USE THE i4 FOR OTHER TYPES OF BATTERIES AS THIS COULD RESULT IN BATTERY EXPLOSION, CRACKING OR LEAKING, CAUSING PROPERTY DAMAGE AND/OR PERSONAL INJURY.**

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